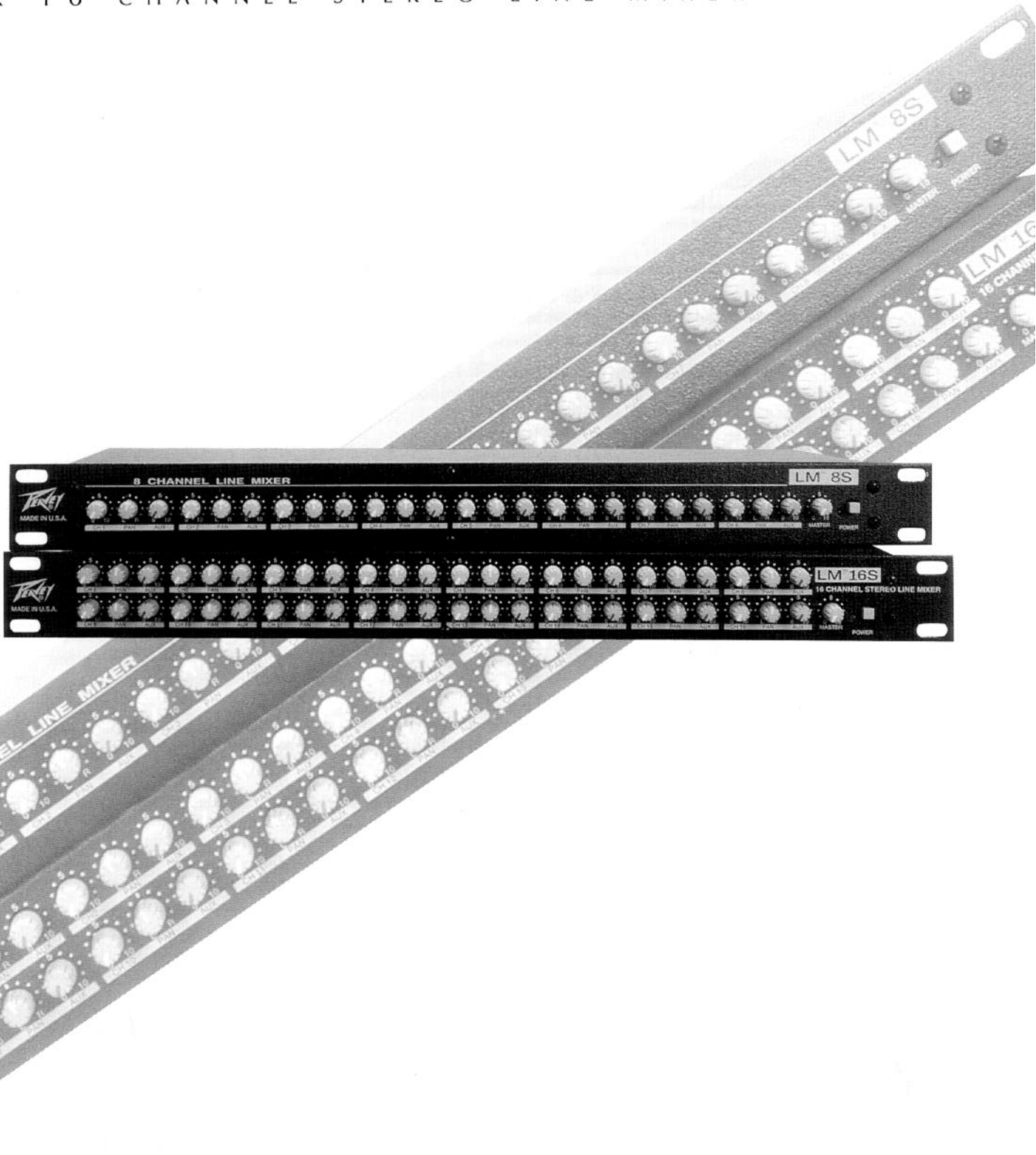


LM™ 8S / LM™ 16S

8 OR 16 CHANNEL STEREO LINE MIXER

E
D
I
U
G
C
N
I
A
R
E
P





Intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



Intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

CAUTION: Risk of electrical shock – DO NOT OPEN!

CAUTION: To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

WARNING: To prevent electrical shock or fire hazard, do not expose this appliance to rain or moisture. Before using this appliance, read the operating guide for further warnings.



Este símbolo tiene el propósito de alertar al usuario de la presencia de "(voltaje) peligroso" que no tiene aislamiento dentro de la caja del producto que puede tener una magnitud suficiente como para constituir riesgo de corrientazo.



Este símbolo tiene el propósito de alertar al usuario de la presencia de instrucciones importantes sobre la operación y mantenimiento en la literatura que viene con el producto.

PRECAUCION: Riesgo de corrientazo – No abra.

PRECAUCION: Para disminuir el riesgo de corrientazo, no abra la cubierta. No hay piezas adentro que el usuario pueda reparar. Deje todo mantenimiento a los técnicos calificados.

ADVERTENCIA: Para evitar corrientazos o peligro de incendio, no deje expuesto a la lluvia o humedad este aparato. Antes de usar este aparato, lea más advertencias en la guía de operación.



Ce symbole est utilisé pour indiquer à l'utilisateur la présence à l'intérieur de ce produit de tension non-isolée dangereuse pouvant être d'intensité suffisante pour constituer un risque de choc électrique.



Ce symbole est utilisé pour indiquer à l'utilisateur qu'il ou qu'elle trouvera d'importantes instructions sur l'utilisation et l'entretien (service) de l'appareil dans la littérature accompagnant le produit.

ATTENTION: Risques de choc électrique – NE PAS OUVRIR!

ATTENTION: Afin de réduire le risque de choc électrique, ne pas enlever le couvercle. Il ne se trouve à l'intérieur aucune pièce pouvant être réparée par l'utilisateur. Confier l'entretien à un personnel qualifié.

AVERTISSEMENT: Afin de prévenir les risques de décharge électrique ou de feu, n'exposez pas cet appareil à la pluie ou à l'humidité. Avant d'utiliser cet appareil, lisez les avertissements supplémentaires situés dans le guide.



Dieses Symbol soll den Anwender vor unisolierten gefährlichen Spannungen innerhalb des Gehäuses warnen, die von Ausreichender Stärke sind, um einen elektrischen Schlag verursachen zu können.



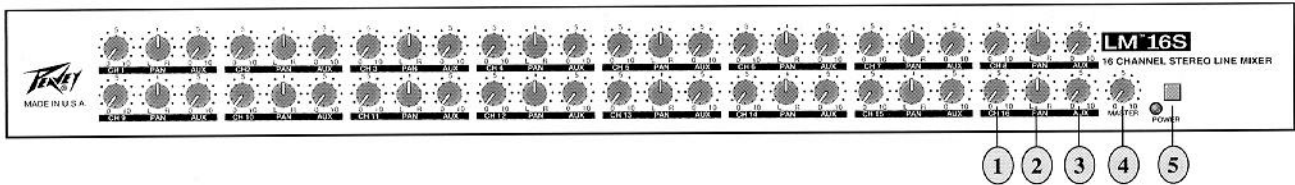
Dieses Symbol soll den Benutzer auf wichtige Instruktionen in der Bedienungsanleitung aufmerksam machen, die Handhabung und Wartung des Produkts betreffen.

VORSICHT: Risiko – Elektrischer Schlag! Nicht öffnen!

VORSICHT: Um das Risiko eines elektrischen Schlages zu vermeiden, nicht die Abdeckung entfernen. Es befinden sich keine Teile darin, die vom Anwender repariert werden könnten. Reparaturen nur von qualifiziertem Fachpersonal durchführen lassen.

ACHTUNG: Um einen elektrischen Schlag oder Feuergefahr zu vermeiden, sollte dieses Gerät nicht dem Regen oder Feuchtigkeit ausgesetzt werden. Vor Inbetriebnahme unbedingt die Bedienungsanleitung lesen.

ENGLISH



LEVEL (1)

Sets the stereo level of the channel that is added to the Master mix bus. Both the Left and Right channel inputs are effected. The detent is the unity gain position.

PAN (2)

If the Left/Mono channel input is used alone, this control assigns the channel to any position in the Left-Right stereo field. When signals are applied to both the Left and Right channel inputs, the control functions as a balance control.

AUX (3)

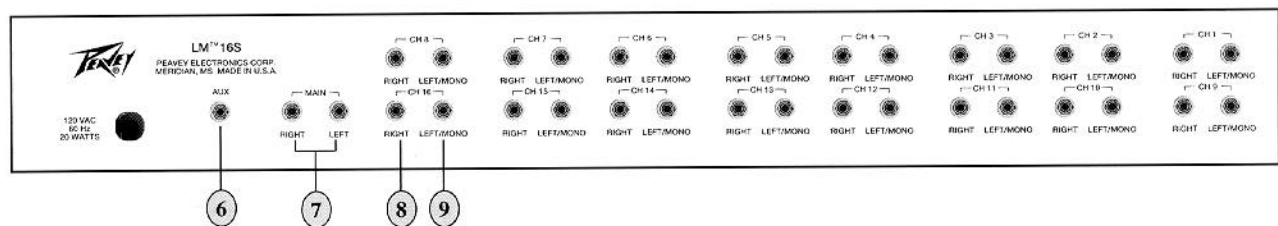
Adjusts the level of the channel signal added into the AUX mix. This control is post fader and is a sum of the channel Left and Right signals.

MASTER LEVEL CONTROL (4)

Controls the overall volume level of the system.

POWER SWITCH (5)

Depress the switch to the "on" position. The red pilot light (LED) will illuminate indicating power is being supplied to the unit.



AUX OUT (6)

This is the output of the AUX mix bus. The level is controlled by the individual channels and is mono. It is unbalanced.

MAIN RIGHT/LEFT (7)

This is the Left and Right output of the main mix bus, with the level set by the Master level control. It is unbalanced.

CHANNEL RIGHT INPUT (8)

When a stereo signal is applied to the channel, the Right signal should be connected here.

CHANNEL LEFT/MONO INPUT (9)

If a mono signal is applied, it should be connected to this input. If there is nothing connected to the Right input, the signal will automatically be routed to both the right and left inputs, and it can be panned with the Pan control (2).

SPECIFICATIONS

Summary of Functions:

8 or 16 stereo channels; Left and Right main outputs; AUX output; High Z balanced (TRS) Left and Right line inputs for each channel; Unbalanced line outputs for Left, Right, and AUX

Channel Inputs:

Input Impedance:
High Z, 20 K ohms, balanced (TRS)
Nominal Input Level:
0 dBV (1 V RMS)
Minimum Input Level:
-18 dBV (125 mV RMS)

Left, Right, and AUX Outputs:

Load Impedance:
600 ohms or greater
Nominal Output:
0 dBV (1 V RMS)
Maximum Output:
+19 dBV (8.9 V RMS)
50 K ohm load
+20 dBm (7.75 V RMS)
600 ohm load

The following parameters are measured with all controls set at 5:

Frequency Response:

+0, -1 dB, 20 Hz to 20 kHz

Noise:

-89 dBV (20 Hz to 20 kHz)

Distortion:

Less than .005%
(0 dBV output, 20 Hz to 20 kHz)

Crosstalk:

Less than -60 dB @ 1 kHz

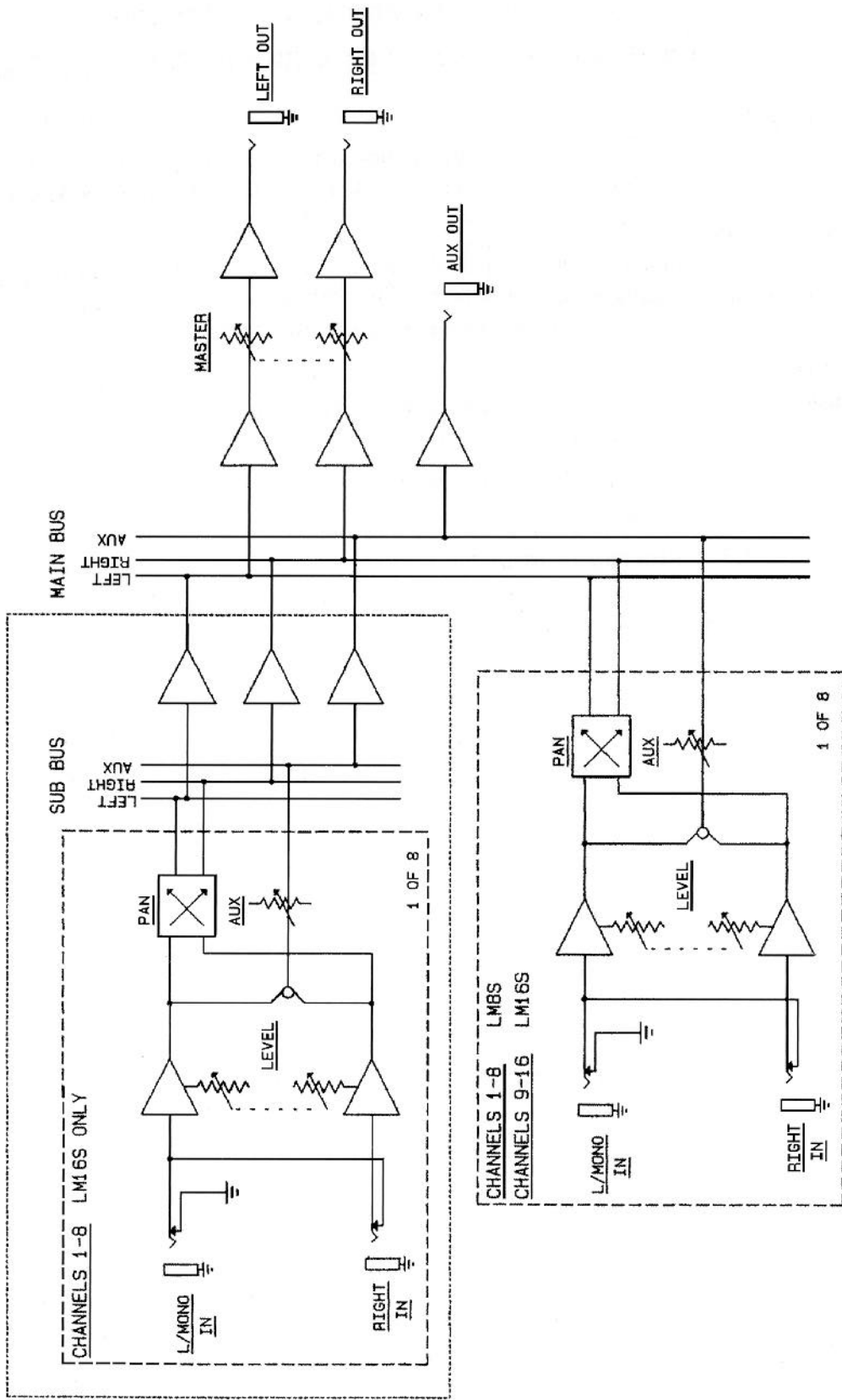
Maximum Available Gain:

+18 dB master
+18 dB channel level
+36 dB maximum input to output gain

Power Requirements:

120 VAC, 60 Hz, 20 watts
240 VAC, 50/60 Hz, 20 watts

BLOCK DIAGRAM



ESPAÑOL

Consulte los diagramas del panel delantero en la sección de inglés de este manual.

LEVEL (Nivel) (1)

Establece el nivel estéreo del canal que se agrega al bus de mezcla principal (Master mix). Afecta tanto a las entradas del canal izquierdo como derecho. El retén indica la posición de ganancia de la unidad.

PAN (Panoramización) (2)

Si la entrada del canal izquierdo/monoaural se utiliza por sí sola, este control asigna el canal a cualquier posición en el campo panorámico de izquierda-derecha. Cuando se aplican señales a las entradas de los canales izquierdo y derecho, este control funciona como control de equilibrio.

AUX (Auxiliar) (3)

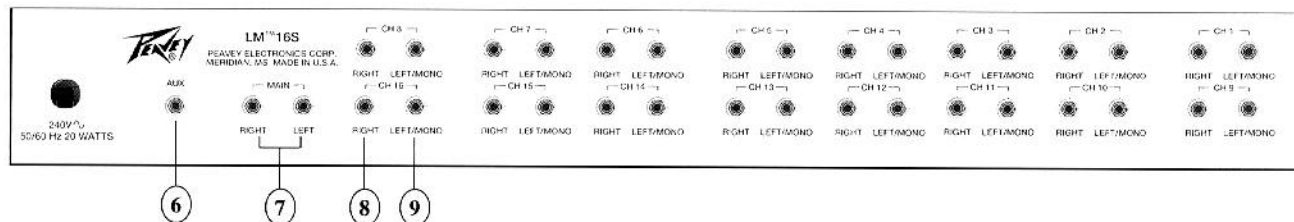
Ajusta el nivel de la señal del canal que se agrega a la mezcla auxiliar (AUX mix). Este control está después del desvanecedor y representa la suma de las señales izquierda y derecha.

MASTER LEVEL CONTROL (Control maestro de nivel) (4)

Controla el nivel global de volumen del sistema.

POWER SWITCH (Interruptor de corriente) (5)

Oprima el interruptor a la posición "hacia dentro" (encendido). La luz roja del piloto (indicador) se encenderá indicando que la unidad está recibiendo corriente alterna.



AUX OUT (Salida Auxiliar) (6)

Esta es la salida del bus de mezcla auxiliar (AUX mix). El nivel se controla a través de canales individuales y es monoaural. La salida no es equilibrada.

MAIN RIGHT/LEFT (Izquierda/Derecha Principal) (7)

Esta es la salida izquierda y derecha del bus de mezcla principal. El nivel lo establece el control de nivel principal (Master level). La salida no es equilibrada.

CHANNEL RIGHT INPUT (Entrada Derecha del Canal) (8)

Cuando se aplica una señal estéreo al canal, la señal derecha debe conectarse aquí.

CHANNEL LEFT/MONO INPUT (Entrada Izquierda/ Monoaural del Canal) (9)

Si se aplica una señal monoaural, ésta debe conectarse a esta entrada. Si no hubiera nada conectado a la entrada derecha, la señal se dirigiría automáticamente a las entradas derecha e izquierda simultáneamente y podría realizarse la panoramización por medio del control correspondiente (2).

FRANCAIS

Veillez vous référer au "front panel line art" situé dans la section en langue anglaise de ce manuel.

LEVEL (Niveau) (1)

Règle le niveau stéréo de la voie ajoutée au bus principal de mélange. Cette commande agit à la fois sur les entrées de voie gauche et droite. Le cliquet correspond au gain unité.

PAN (Panoramique) (2)

Si l'entrée de voie gauche/mono est utilisée seule, cette commande situe la voie sur n'importe quelle position dans l'image stéréo gauche-droite. Lorsque des signaux sont présentés aux deux entrées de voie gauche et droite, la commande agit sur la balance.

AUX (3)

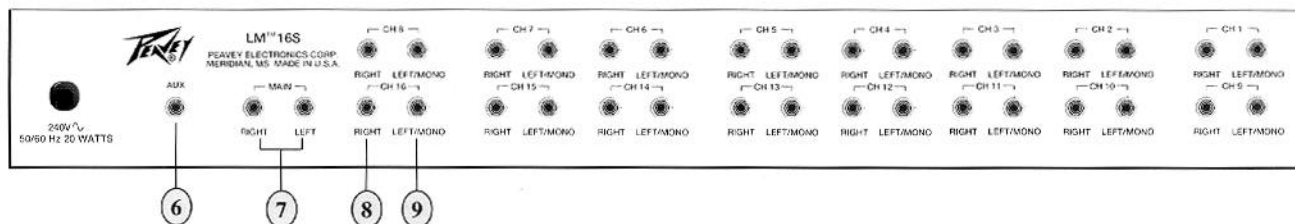
Cette commande «post-fader» ajuste le niveau du signal — qui est la somme des signaux gauche et droite de la voie — injecté dans le mélange auxiliaire.

MASTER LEVEL CONTROL (Commande de niveau principal) (4)

Contrôle le niveau de volume global du système.

POWER SWITCH (Interrupteur d'alimentation) (5)

Mettre l'interrupteur en position "On". La lampe témoin rouge (DEL) s'illumine indiquant que l'appareil est alimenté en courant.



AUX OUT (Sortie AUX) (6)

C'est la sortie du bus de mélange auxiliaire. Le niveau, mono, est commandé individuellement sur chacune des voies. La sortie est asymétrique.

MAIN RIGHT/LEFT (Principal Droite/Gauche) (7)

C'est la sortie gauche et droite du bus de mélange principal, dont le niveau est établi par la commande principale de niveau. La sortie est asymétrique.

CHANNEL RIGHT INPUT (Entrée Droite de Voie) (8)

Le signal droit doit être connecté ici lorsqu'un signal stéréo est présenté à la voie.

CHANNEL LEFT/MONO INPUT (Entrée Gauche/Mono de Voie) (9)

Lorsqu'un signal mono est présenté à la voie, il doit être connecté à cette entrée. Si rien n'est connecté à l'entrée droite, le signal sera acheminé automatiquement vers les deux entrées droite et gauche et pourra alors être positionné dans le champ stéréo avec la commande Panoramique (2).

DEUTSCH

Siehe Diagramm der Frontplatte im englischen Teil des Handbuchs.

LEVEL (Pegelaussteuerung) (1)

Stellt den Pegel für einen Kanal, der mit dem Master-Bus des Mischpults verbunden ist, ein. Sowohl der linke als auch der rechte Kanaleingang werden gesteuert. Die Arretierung entspricht dem Verstärkungsfaktor Eins.

PAN (2)

Wenn der linke bzw. Mono-Kanaleingang allein genutzt wird, kann dem Kanal mit diesem Regler eine beliebige Position im Links/Rechts-Stereo-Feld zugewiesen werden. Wenn die Signale sowohl am linken als auch am rechten Kanaleingang anliegen, dient er als Balance-Regler.

AUX (3)

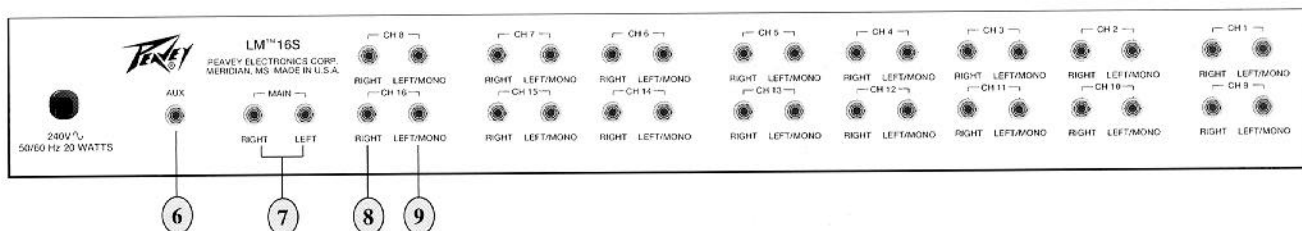
Stellt den Pegel eines Kanals, der dem AUX-Mix verbunden ist, ein. Dabei handelt es sich um eine Post-Fader-Aussteuerung (abhängig von der Fader-Aussteuerung) und der Summe des linken und rechten Signals.

MASTER LEVEL CONTROL (4)

Regelt die Gesamtlautstärke des Systems.

POWER SWITCH (Netzschalter) (5)

Bringen Sie den Schalter auf die ON-Position. Die rote Kontrolllampe (LED) leuchtet und zeigt an, daß das Gerät eingeschaltet ist.



AUX-OUT (6)

Hierbei handelt es sich um den Ausgang des AUX-Mix-Bus. Der Ausgabepegel wird über die einzelnen Kanäle geregelt. Der Ausgang ist Mono und unsymmetrisch.

MAIN RIGHT/LEFT (Main Links/Rechts) (7)

Hierbei handelt es sich um den linken und rechten Ausgang des Main-Mix-Bus. Der Ausgabepegel wird über die Master-Pegelsteuerung eingestellt. Die Ausgänge sind unsymmetrisch.

CHANNEL RIGHT INPUT (Rechter Kanaleingang) (8)

Bei einem Stereosignal sollte der rechte Kanal hier angeschlossen werden.

CHANNEL LEFT/MONO INPUT (Linker/Mono-Kanaleingang) (9)

Wenn ein Monosignal eingespeist werden soll, muß es an diesen Anschluß angeschlossen werden. Wurde am rechten Anschluß kein Kanal angeschlossen, wird das Signal automatisch auf den linken und rechten Eingang geleitet und kann mit dem Pan-Regler (2) angesteuert werden.

**For further information on other Peavey products,
ask your Authorized Peavey Dealer for the
appropriate Peavey catalog/publication:**

Bass Guitars

Guitars

Bass Amplification

Guitar Amplification

Sound Reinforcement Enclosures

Microphones

Keyboards

DJ

Lighting

Mixers, Powered/Non-Powered

Accessories/Cables

Effects Processors

Axcess™ Wear

The Peavey Beat™

Monitor® Magazine

Key Issues™

Low Down™

PM™ Magazine

THIS LIMITED WARRANTY VALID ONLY WHEN PURCHASED AND REGISTERED IN THE UNITED STATES OR CANADA. ALL EXPORTED PRODUCTS ARE SUBJECT TO WARRANTY AND SERVICES TO BE SPECIFIED AND PROVIDED BY THE AUTHORIZED DISTRIBUTOR FOR EACH COUNTRY.

Ces clauses de garantie ne sont valables qu'aux Etats-Unis et au Canada. Dans tout les autres pays, les clauses de garantie et de maintenance sont fixees par le distributeur national et assuree par lui selon la legislation en vigueur.

Diese Garantie ist nur in den USA und Kanada gultig. Alle Export-Produkte sind der Garantie und dem Service des Importeurs des jeweiligen Landes unterworfen. Esta garantia es valida solamente cuando el producto es comprado en E.U. continentales o en Canada. Todos los productos que sean comprados en el extranjero, estan sujetos a las garantias y servicio que cada distribuidor autorizado determine y ofrezca en los diferentes paises.

PEAVEY ONE-YEAR LIMITED WARRANTY/REMEDY

PEAVEY ELECTRONICS CORPORATION ("PEAVEY") warrants this product, EXCEPT for covers, footswitches, patchcords, tubes and meters, to be free from defects in material and workmanship for a period of one (1) year from date of purchase, PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is subject to the conditions, exclusions, and limitations hereinafter set forth:

PEAVEY 90-DAY LIMITED WARRANTY ON TUBES AND METERS

If this product contains tubes or meters, Peavey warrants the tubes or meters contained in the product to be free from defects in material and workmanship for a period of ninety (90) days from date of purchase; PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is also subject to the conditions, exclusions, and limitations hereinafter set forth.

CONDITIONS, EXCLUSIONS, AND LIMITATIONS OF LIMITED WARRANTIES

These limited warranties shall be void and of no effect, if:

- a. The first purchase of the product is for the purpose of resale; or
- b. The original retail purchase is not made from an AUTHORIZED PEAVEY DEALER; or
- c. The product has been damaged by accident or unreasonable use, neglect, improper service or maintenance, or other causes not arising out of defects in material or workmanship; or
- d. The serial number affixed to the product is altered, defaced, or removed.

In the event of a defect in material and/or workmanship covered by this limited warranty, Peavey will:

- a. In the case of tubes or meters, replace the defective component without charge.
- b. In other covered cases (i.e., cases involving anything other than covers, footswitches, patchcords, tubes or meters), repair the defect in material or workmanship or replace the product, at Peavey's option; and provided, however, that, in any case, all costs of shipping, if necessary, are paid by you, the purchaser.

THE WARRANTY REGISTRATION CARD SHOULD BE ACCURATELY COMPLETED AND MAILED TO AND RECEIVED BY PEAVEY WITHIN FOURTEEN (14) DAYS FROM THE DATE OF YOUR PURCHASE.

In order to obtain service under these warranties, you must:

- a. Bring the defective item to any PEAVEY AUTHORIZED DEALER or AUTHORIZED PEAVEY SERVICE CENTER and present therewith the ORIGINAL PROOF OF PURCHASE supplied to you by the AUTHORIZED PEAVEY DEALER in connection with your purchase from him of this product.

If the DEALER or SERVICE CENTER is unable to provide the necessary warranty service you will be directed to the nearest other PEAVEY AUTHORIZED DEALER or AUTHORIZED PEAVEY SERVICE CENTER which can provide such service.

OR

- b. Ship the defective item, prepaid, to:

PEAVEY ELECTRONICS CORPORATION
International Service Center
326 Hwy. 11 & 80 East
MERIDIAN, MS 39301

including therewith a complete, detailed description of the problem, together with a legible copy of the original PROOF OF PURCHASE and a complete return address. Upon Peavey's receipt of these items:

If the defect is remedial under these limited warranties and the other terms and conditions expressed herein have been complied with, Peavey will provide the necessary warranty service to repair or replace the product and will return it, FREIGHT COLLECT, to you, the purchaser.

Peavey's liability to the purchaser for damages from any cause whatsoever and regardless of the form of action, including negligence, is limited to the actual damages up to the greater of \$500.00 or an amount equal to the purchase price of the product that caused the damage or that is the subject of or is directly related to the cause of action. Such purchase price will be that in effect for the specific product when the cause of action arose. This limitation of liability will not apply to claims for personal injury or damage to real property or tangible personal property allegedly caused by Peavey's negligence. Peavey does not assume liability for personal injury or property damage arising out of or caused by a non-Peavey alteration or attachment, nor does Peavey assume any responsibility for damage to interconnected non-Peavey equipment that may result from the normal functioning and maintenance of the Peavey equipment.

UNDER NO CIRCUMSTANCES WILL PEAVEY BE LIABLE FOR ANY LOST PROFITS, LOST SAVINGS, ANY INCIDENTAL DAMAGES, OR ANY CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

THESE LIMITED WARRANTIES ARE IN LIEU OF ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE; PROVIDED, HOWEVER, THAT IF THE OTHER TERMS AND CONDITIONS NECESSARY TO THE EXISTENCE OF THE EXPRESSED, LIMITED WARRANTIES, AS HEREINABOVE STATED, HAVE BEEN COMPLIED WITH, IMPLIED WARRANTIES ARE NOT DISCLAIMED DURING THE APPLICABLE ONE-YEAR OR NINETY-DAY PERIOD FROM DATE OF PURCHASE OF THIS PRODUCT.

SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THESE LIMITED WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

THESE LIMITED WARRANTIES ARE THE ONLY EXPRESSED WARRANTIES ON THIS PRODUCT, AND NO OTHER STATEMENT, REPRESENTATION, WARRANTY, OR AGREEMENT BY ANY PERSON SHALL BE VALID OR BINDING UPON PEAVEY.

In the event of any modification or disclaimer of expressed or implied warranties, or any limitation of remedies, contained herein conflicts with applicable law, then such modification, disclaimer or limitation, as the case may be, shall be deemed to be modified to the extent necessary to comply with such law.

Your remedies for breach of these warranties are limited to those remedies provided herein and Peavey Electronics Corporation gives this limited warranty only with respect to equipment purchased in the United States of America.

INSTRUCTIONS — WARRANTY REGISTRATION CARD

1. Mail the completed WARRANTY REGISTRATION CARD to:

PEAVEY ELECTRONICS CORPORATION
POST OFFICE BOX 2898
MERIDIAN, MISSISSIPPI 39302-2898

- a. Keep the PROOF OF PURCHASE. In the event warranty service is required during the warranty period, you will need this document. There will be no identification card issued by Peavey Electronics Corporation.
2. **IMPORTANCE OF WARRANTY REGISTRATION CARDS AND NOTIFICATION OF CHANGES OF ADDRESSES:**
 - a. Completion and mailing of WARRANTY REGISTRATION CARDS — Should notification become necessary for any condition that may require correction, the REGISTRATION CARD will help ensure that you are contacted and properly notified.
 - b. Notice of address changes — If you move from the address shown on the WARRANTY REGISTRATION CARD, you should notify Peavey of the change of address so as to facilitate your receipt of any bulletins or other forms of notification which may become necessary in connection with any condition that may require dissemination of information or correction.
3. You may contact Peavey directly by telephoning (601) 483-5365.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: When using electric products, basic cautions should always be followed, including the following.

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be retained for future reference.
3. Obey all cautions in the operating instructions and on the back of the unit.
4. All operating instructions should be followed.
5. This product should not be used near water, i.e., a bathtub, sink, swimming pool, wet basement, etc.
6. This product should be located so that its position does not interfere with its proper ventilation. It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
7. This product should not be placed near a source of heat such as a stove, radiator, or another heat producing amplifier.
8. Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
9. Never break off the ground pin on the power supply cord. For more information on grounding, write for our free booklet "Shock Hazard and Grounding."
10. Power supply cords should always be handled carefully. Never walk or place equipment on power supply cords. Periodically check cords for cuts or signs of stress, especially at the plug and the point where the cord exits the unit.
11. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
12. If this product is to be mounted in an equipment rack, rear support should be provided.
13. Metal parts can be cleaned with a damp rag. The vinyl covering used on some units can be cleaned with a damp rag or an ammonia-based household cleaner if necessary. Disconnect unit from power supply before cleaning.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation holes or any other openings.
15. This unit should be checked by a qualified service technician if:
 - a. The power supply cord or plug has been damaged.
 - b. Anything has fallen or been spilled into the unit.
 - c. The unit does not operate correctly.
 - d. The unit has been dropped or the enclosure damaged.
16. The user should not attempt to service this equipment. All service work should be done by a qualified service technician.
17. This product should be used only with a cart or stand that is recommended by Peavey Electronics.
18. Exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably in susceptibility to noise induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time. The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures.

Duration Per Day In Hours	Sound Level dBA, Slow Response
8	90
6	92
4	95
3	97
2	100
1 1/2	102
1	105
1/2	110
1/4 or less	115

According to OSHA, any exposure in excess of the above permissible limits could result in some hearing loss.

Ear plugs or protectors in the ear canals or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss if exposure is in excess of the limits as set forth above. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels such as this amplification system be protected by hearing protectors while this unit is in operation.

SAVE THESE INSTRUCTIONS!



Features and specifications subject to change without notice.

Peavey Electronics Corporation 711 A Street / Meridian, MS 39301 / U.S.A. / (601) 483-5365 / Fax 486-1278

©1995

#80302230

Printed in U.S.A. 3/95